

From glowbugs@theporch.com Wed Jan 22 17:19:47 1997  
Return-Path: <glowbugs@theporch.com>  
Received: from uro (localhost.theporch.com [127.0.0.1])  
by uro.theporch.com (8.8.5/AUX-3.1.1)  
with SMTP id RAA09921;  
Wed, 22 Jan 1997 17:10:30 -0600 (CST)  
Date: Wed, 22 Jan 1997 17:10:30 -0600 (CST)  
Message-Id: <9701222302.ZZ574457@ds1.acs.ucalgary.ca>  
Errors-To: ws4s@infoave.net  
Reply-To: glowbugs@theporch.com  
Originator: glowbugs@theporch.com  
Sender: glowbugs@theporch.com  
Precedence: bulk  
From: glowbugs@theporch.com  
To: Multiple recipients of list <glowbugs@theporch.com>  
Subject: GLOWBUGS digest 423  
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas  
X-Comment: Please send list server requests to listproc@theporch.com  
Status: 0

### GLOWBUGS Digest 423

Topics covered in this issue include:

- 1) Re: BA/GB on 200 meters an' down tonite anyone?????  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 2) Reluctant regen regens!  
by Art Winterbauer <art@comet.ucar.edu>
- 3) Re: Re: CW -or- TOO MUCH SPECTRUM FOR TOO FEW CW OPS.  
by Joseph Hartmann <joe@arakis.sugar-river.net>
- 4) Is glowbugs the forum for this?  
by Dave <gekko95@ix.netcom.com>
- 5) Re: Re: CW -or- TOO MUCH SPECTRUM FOR TOO FEW CW OPS.  
by Jeffrey Herman <jherman@hawaii.edu>
- 6) Re: Re: CW -or- TOO MUCH SPECTRUM FOR TOO FEW CW OPS.  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 7) Re: Wanted  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 8) Newbie's 50C5 kit, crystals?  
by "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>
- 9) RE: 45 tubes..I shudda pulled em.  
by "James C. Owen, III" <owen@apollo.eeel.nist.gov>
- 10) Re: Wanted --- odd thoughts for consideration  
by rdkeys@csemail.cropsci.ncsu.edu
- 11) Re: BA/GB on 200 meters an' down tonite anyone?????  
by rdkeys@csemail.cropsci.ncsu.edu
- 12) Re: Is glowbugs the forum for this?  
by jeffd@coriolis.com (Jeff Duntemann)

- 13) Coil winders--build your own?  
by jefffd@coriolis.com (Jeff Duntemann)
- 14) Re: Is glowbugs the forum for this?  
by tomrice@netcom.com (Tom R. Rice)
- 15) Re: Wanted --- odd thoughts for consideration  
by "R. Eric Sluder" <sludere@gte.net>
- 16) Re: Is glowbugs the forum for this?  
by Jeffrey Herman <jherman@hawaii.edu>
- 17) Anyone still have copies of GB digests 001 thru 031 ?  
by rdkeys@csemail.cropsci.ncsu.edu
- 18) Fwd: FS: TUBES!!!  
by Carl Ratner <artdeco@bway.net>
- 19) Re: Is glowbugs the forum for this?  
by mjsilva@ix.netcom.com (michael silva)
- 20) Re: Wanted --- odd thoughts for consideration  
by jkh@lexis-nexis.com (John Heck)
- 21) Waddaya do wid ole tv junker tubes --- regenerate of course  
by rdkeys@csemail.cropsci.ncsu.edu
- 22) Re: Thoughts on cotton covered wire by the foot  
by rdkeys@csemail.cropsci.ncsu.edu
- 23) Tubes For Glowbugging.....  
by "Deane D McIntyre" <dmcintyr@acs.ucalgary.ca>

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Date: Tue, 21 Jan 1997 17:58:28 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: rdkeys@csemail.cropsci.ncsu.edu, glowbugs@theporch.com  
Subject: Re: BA/GB on 200 meters an' down tonite anyone?????  
Message-ID: <199701220158.UAA01154@news2.mnsinc.com>

Yes it is indeed a weak signal from NA4G and he is ging the guy a RST  
359 so I am sure QRN is bad your way too Bob!

\*\*\*\*\*  
\*\*\* 73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA \*  
\*\* E-mail to: bry@mnsinc.com \*  
\*\*\* See the great ham radio resources at: \*  
\*\* <http://www.mnsinc.com/bry/> \*  
\*\*\*\*\*

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Date: Tue, 21 Jan 1997 21:08:23 -0700 (MST)  
From: Art Winterbauer <art@comet.ucar.edu>  
To: glowbugs <glowbugs@theporch.com>  
Subject: Reluctant regen regens!  
Message-ID: <Pine.SUN.3.95.970121210241.24518A-100000@spike>

Moved the throttle condenser to the correct side of the RF choke, then clipped a 190 pf variable cap across the 100 pf throttle. Using the 80 meter coil with a few windings removed on the tickler (41% of tank windings), the receiver began regenning by playing with the two throttles. Broadcast breakthru eliminated by playing with trimmer variable cap and the throttle(s). Full 190 + 100 pf is needed for the low end of 80 meters with less capacitance needed while moving up towards 6.5 Mhz (about the upper end with these windings).

So, I'm happy now. Will experiment with windings for other bands and with different ways of narrowing the band coverage closer to the ham bands.

Thanks, guys! You're great.

73 de Art WA50ES

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Date: Wed, 22 Jan 1997 01:41:00 -0500  
From: Joseph Hartmann <joe@arakis.sugar-river.net>  
To: ed.welch@cheaha.com  
Subject: Re: Re: CW -or- TOO MUCH SPECTRUM FOR TOO FEW CW OPS.  
Message-ID: <199701220641.BAA18117@arakis.sugar-river.net>

There's some of us who actually \*enjoy\* CW, who want to continue using it. I also personally believe in the discipline associated with learning the code.

Yes, and yes, agreed. (I lost my mike many years ago.)

My argument is....don't take away or whittle on the existing CW bands, they're already crowded and the digital modes are really taking up a lot of room.

The argument \*should\* be: let's put the most amount of life into the CW bands, so that we can maximize the likelihood of this mode being available for the enjoyment of future generations, who may also come to love it as we do.

It's disgusting to tune across 80 meters late at night, hear nothing, and tune up in the ssb (75 meter) band and hear quite a decent amount of activity. WHERE ARE THE CW OPS?

It's disgusting to tune across 80 meters in the daylight hours, and hear nothing but static -- and then when W1AW takes to the air: there it is: a 599+ signal! WHERE ARE THE CW OPS? The only thing that wipes out the static is a living breathing operator (OK -- so W1AW uses a robot...).

How do we make the cw bands come alive? By giving the novices and technicians their own segment of EVERY cw band.

1900-2000 Novice and Tech +  
1950-2000 Technician

3600-3750 Novice and Tech +  
3700-3750 Technician

7100-7150 Novice and Tech +  
7140-7150 Technician

10130-10140 Novice and Tech +  
10140-10150 Technician

14100-14150 Novice and Tech +  
14125-14150 Technician

18100-18110 Novice and Tech + and Technician

21100-21200 Novice and Tech +  
21180-21200 Technician

24920-24930 Novice and Tech + and Technician

28100-28300 Novice and Tech +  
28250-28300 Technician

6 meters and up: unchanged

Our BASIC THINKING on this issue has to change: it's \*not\* generals vs extras, or novices vs. generals or everyone vs. technicians but \*ALL OF US\* vs the static.

I am dismayed at the poor use we hams make of our allotted cw spectrum space.

If they want to give the Technicians HF privileges that's fine...just keep 'em out of the CW bands...they won't be CW-certified anyhow, right?

What really is a ham cw band anyway? MOSTLY UNUSED SPECTRUM

SPACE, i.e. static (contests excepted) !! Let us all look that  
\*FACT\* squarely in the face. If you think I'm off the mark, just  
tune around and listen for yourself.

CW is dying partly because we are \*discouraging\* rather than  
\*encouraging\* the cw neophytes in our midst. We are turning them  
off by our "good-old-boy" mind set; which is nothing more than a  
form of hazing: "I had to go thru it, so you sure as hell are  
going to have to go thru it!"

By \*forcing\* people to "learn cw" in order to participate in the  
HF spectrum, we are turning people away from CW -- sort of like  
mom forcing us to eat our oatmeal -- after we leave mom's table,  
do we ever again eat our oatmeal? We should not \*ever\* force any  
ham to learn cw because it is a "requirement". Hams should  
\*want\* to learn cw by seeing the fun we have with it.

And don't carve a chunk out of the CW  
bands for a place for them or for anyone else,....leave the CW bands  
alone!

You mean leave them to the static? And in any case, just because  
some other mode is \*also\* allowed use of the spectrum doesn't  
mean that we have "carved a chunk out of the CW bands" -- it just  
means there is a little more competition for the CW ops -- and  
isn't it competition and difficult condx that helps make CW our  
mode-of-choice?

Why don't you find any CW "inside" the phone bands? Do I have to  
give an answer? It's because there is already too much spectrum  
for too few CW ops.

TOO MUCH SPECTRUM FOR TOO FEW CW OPS: this is what we have to  
look squarely in the face, and think up creative ways of  
reversing this trend.

Best Regards,

Joe Hartmann	Tel: (603) 863 6073
K2AJV -issued	email: joeh@sugar-river.net
1951	home-page: <a href="http://www.sugar-river.net/~joeh">http://www.sugar-river.net/~joeh</a>

-----  
First Student at the:

Linux University in the Sunshine Town of Newport, NH

Thanks to RMS, Linus, and other contributors of free software  
-----I grant this to the public domain-----

-----  
Date: Tue, 21 Jan 1997 22:51:44 -0800  
From: Dave <gekko95@ix.netcom.com>  
To: glowbugs@theporch.com  
Subject: Is glowbugs the forum for this?  
Message-ID: <199701220651.WAA06497@dfw-ix9.ix.netcom.com>

At 11:58 PM 1/21/97 -0600, you wrote:

> There's some of us who actually \*enjoy\* CW, who want to continue using  
> it. I also personally believe in the discipline associated with  
> learning the code.  
>

Maybe I missed something - is Glowbugs a forum for this sort of discussion? I was under the impression that most of the GB'ers ARE cw operators, and that there are Newsgroups for the CW topic.

I really don't relish the thought of an endless debate with lengthy copied messages being dumped in my in-box, a debate I chose not to participate in ages ago and just shut up and fired up my CW rig instead.

Or am I not correct? Does anyone know what the group concept for this is?

Thanks

Dave WB7AWK

"I want to die peacefully in my sleep, like my Grandfather. Not screaming and in terror like his passengers"

-----  
Date: Tue, 21 Jan 1997 21:14:39 -1000  
From: Jeffrey Herman <jherman@hawaii.edu>  
To: Joseph Hartmann <joe@arakis.sugar-river.net>  
Subject: Re: Re: CW -or- TOO MUCH SPECTRUM FOR TOO FEW CW OPS.

Message-ID: <Pine.GS0.3.93.970121210504.17056B-100000@uhunix3>

>How do we make the cw bands come alive? By giving the novices and  
>technicians their own segment of EVERY cw band.  
>1900-2000 Novice and Tech +  
>1950-2000 Technician

How did you arrive at these frequencies? I suggest you subscribe  
to the TopBand email list (devoted to 160m) and make this suggestion,  
then check into a burn ward, for you'll be flamed to a crisp!!  
Make sure you get to know a band well before handing out segments  
such as this!

Now, please take any and all discussions about code/nocode to  
rec.radio.amateur.policy, a newsgroup created exactly for this  
debate. I'll be very glad to introduce you the gang on there;  
we've been arguing this topic for years over there. But \*please\*  
keep this issue \*off\* of GlowBugs!!!!!!

Jeff KH2PZ (former Coast Guard code operator at NMO)

-----  
Date: Wed, 22 Jan 1997 05:25:09 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: joeh@arakis.sugar-river.net, glowbugs@theporch.com  
Subject: Re: Re: CW -or- TOO MUCH SPECTRUM FOR TOO FEW CW OPS.  
Message-ID: <199701221325.IAA13163@news2.mnsinc.com>

This is a great proposal. I hope it gets sent in to ARRL and  
published in QST!

\*\*\*\*\*  
\*\*\* 73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA \*  
\*\* E-mail to: bry@mnsinc.com \*  
\*\*\* See the great ham radio resources at: \*  
\*\* <http://www.mnsinc.com/bry/> \*  
\*\*\*\*\*

-----  
Date: Wed, 22 Jan 1997 05:25:08 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: kb7ww@aracnet.com, glowbugs@theporch.com  
Subject: Re: Wanted  
Message-ID: <199701221325.IAA13169@news2.mnsinc.com>

For the chokes - try Hosfelt Electronics in Steubenville, OH

(800) 524-6464

or check for the latest phone number in MEGALIST  
available at my web site!

\*\*\*\*\*  
\*\*\* 73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA \*  
\*\* E-mail to: bry@mnsinc.com \*  
\*\*\* See the great ham radio resources at: \*  
\*\* <http://www.mnsinc.com/bry/> \*  
\*\*\*\*\*

-----  
Date: Wed, 22 Jan 1997 08:46:42 EST  
From: "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>  
To: The Glowbugs tube list <glowbugs@theporch.com>  
Subject: Newbie's 50C5 kit, crystals?  
Message-ID: <22JAN97.09480849.0032.MUSIC@MARISTB.MARIST.EDU>

Hi Gang,

Took a small detour before I start my 6L6 transmitter (almost have all the parts for it and the supply) and built Bob Shelton's 50C5 one tube, two band kit from the Spring 1996 Homebrew. I can certainly recommend it to anyone who wants a "tube experience". I breadboarded (?) it and other than winding the coils in opposite directions, it fired right up. With a builtin voltage doubler, it is ready to go. All parts minus the board. I have assembled some other QRP rigs but must confess that when the 'orange glow' starts, it's a "total" experience.

Bob includes a 3700 crystal - not a 243 but one of the aluminium cased ones. I would like to get something in the 40m band - say 7040 and below

7060. I know that the 243 are in demand but are the aluminium one easier to get? Where can you get them and what do I ask for?

Thanks for all your support. The kit is great.

Fr Bowes KB2TRF

-----  
Date: Wed, 22 Jan 1997 10:24:30 -0400 (EDT)  
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>  
To: glowbugs@theporch.com  
Subject: RE: 45 tubes..I shudda pulled em.  
Message-ID: <37473.owen@apollo.eeel.nist.gov>

In message Tue, 21 Jan 1997 18:22:50 -0600 (CST),

"Robert M. Bratcher Jr." <bratcher@worldnet.att.net> writes:



> Didn't find any at the HVRA swap meet last weekend.  
> I'm sorry, really looked through every box of tubes!  
>  
>  
> Robert M. Bratcher Jr.

Back in 1985 when the James River had it worst flood in better than 75 years my Dad's store took a hit of 7 ft of water. This is in VA to those of you that don't know. There was about 50 years of things that he and Grand Dad and myself had saved. In my area were the Majestics, the RBM, the Zenith's, 20+ years of QST's and many parts. I had two days to help him clean the store out and a pickup truck for a day to take stuff to a dump. I had to hustle. Do you know how much 20 years of WET QST's weigh? The cabinets of the Majestic's just came apart--what a mess. We loaded everything we could on the pickup truck and drove to the sink hole on the farm we were using for a dump--I'll always remember giving the Majestic chassis's a heave with a sigh. I shudda pulled the tubes, I shudda pulled the tubes. I do know where they are buried. We had to work fast in fact my father-in-law who came to help us will never forget my Mothers comment to me. "Jimmy, slow down-it's a flood, not a fire". I shudda pulled the tubes. 73 Jim K4CGY

-----  
Date: Wed, 22 Jan 1997 11:31:10 -0500 (EST)  
From: rdkeys@csemail.cropsci.ncsu.edu  
To: kb7ww@aracnet.com  
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com  
Subject: Re: Wanted --- odd thoughts for consideration  
Message-ID: <9701221631.AA127434@csemail.cropsci.ncsu.edu>

>  
> Time to try again.  
>  
> WANTED  
>  
> 1. Old style pi wound RF chokes. Anyone know where to get them?

Can't help you with the pie-wound chokes in the old style (I am assumming you mean the bobbin style characteristic of the 20's yes/no?).

I would almost give me eye teeth (If I still had 'em) for a good coil winder that WOULD wind a bobbin pie decently. There has gotta be a good way to do this other than the hand/motor drill chuck method.

Maybe this would be a topic for some threading in the list.

My usual method is to hand wind or motor wind on a bobbin (often a real thread spool cuz that works pretty well) of some sort. It is

crude, but for 250 turns or so, it works on the usual 160/80/40 sort of glowebugge thingie.....

> 2. Bell Wire. This is old red/white or blue/white cotton covered wire.  
> I could use 50 feet.

The last old cotton striped bell wire that I saw was from a telephone system that was being dug up (lead covered 100 pair stuff or something like that). The older brother and a neighbor got about 10 pieces about 5 or 6 feet long and cut the lead off to melt and recycle. The kid radio geek would a WHOLE BUNCH of xtal radio coils on that stuff for a long time. Alas, that was back in 1955.

If cotton covered wire is not critical for periodicity, I like the standard hardware store bell wire in 66 foot packs for a buck or two. It also makes a good length for the cheapskates simple simeon quarter wave ether launcher for 80M, in a pinch, and is handy for an odd receiving antenna. The yellow or green colors look pretty good wound on old regen coil forms. I have seen 500 ft spools around the hamfests here in the East for 3-5 bucks a spool, occasionally. I will buy several rolls at that price if it pops up. It is always handy for wiring GB projects.

If anyone knows of a source of the real cotton striped stuff in reasonable lengths (maybe 50 or 100 feet, sufficient to wind the usual regenerator coils and the like), do holler back to the list. It might be fun to find some period wire for such coils to give the coils a polished finesse.

Good Luck finding the real McCoy.....

73/ZUT DE NA4G/Bob UP

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Date: Wed, 22 Jan 1997 12:22:33 -0500 (EST)  
From: rdkeys@csemail.cropsci.ncsu.edu  
To: bry@mnsinc.com  
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com  
Subject: Re: BA/GB on 200 meters an' down tonite anyone????  
Message-ID: <9701221722.AA127592@csemail.cropsci.ncsu.edu>

>  
> Yes it is indeed a weak signal from NA4G and he is giving the guy a RST  
> 359 so I am sure QRN is bad your way too Bob!  
>

Well, the band was fair, and I did manage to work ten or so stations, of which several were list folk! Yeah!

Brian/AF4K in MD was there as well as Sandy/W5TVW out in LA.

The QRN was rough last night, for some reason. Maybe the warming wx down south blew the last weekend's quiet peace. Last weekend, the top band was armchar copy on the regenerator. I was getting 2.5 amps rf out, but I dunno its QRD.

Mebbee I needst checkie-checkie my antenna for ether leaks..... Big Bertha seemed weaker than normal on the other end, although the regenerator was pulling them in outta the mud.

It was a fellow in PA running a genuine 5 watt 6Y6 final vfo QRP rig on 160! I was surprised to even hear him at all. Kudos to a top band tube qrp GB fellow, even though I don't think he is on the list. Mebbe we should invite him.....

Bob/NA4G

-----  
Date: Wed, 22 Jan 1997 08:59:53 -0700  
From: jeffd@coriolis.com (Jeff Duntemann)  
To: gekko95@ix.netcom.com  
Cc: glowbugs@theporch.com  
Subject: Re: Is glowbugs the forum for this?  
Message-ID: <1.5.4.32.19970122085224.00fa993c@165.247.88.2>

>Maybe I missed something - is Glowbugs a forum for this sort of  
>discussion? I was under the impression that most of the GB'ers  
>ARE cw operators, and that there are Newsgroups for the CW topic.

>Or am I not correct? Does anyone know what the group concept  
>for this is?

It's appropriate for glowbugs only in that we (as homebrewers, of whatever technology) represent in most cases the last thoroughly nutso advocates of CW. If CW withers away, we lose a priceless heritage.

By encouraging the creation of CW rigs, we can help keep CW alive. Tubes or sand, whatever it takes, I say. I do both.

My suggestion has always been this: Work within the clubs, and make CW an \*adventure.\* Do it on the buddy system. Get a class together, and make

teams out of pairs of people who are physically close to one another. Then get them to make their own simple CW rigs and try to contact one another. If the team is less than a mile apart, this is a slam dunk. In denser areas, people can be a few blocks apart, and make Q5 contacts on 75mW out of a single transistor. Give the guys some reason to claim bragging rights: "I built this crummy thing out of almost nothing and somebody heard it a mile away!"

THAT'S how to keep CW alive. If I ever hear the "I hadda do it an you do too" argument again I'm gonna start throwing things.

But realistically, an involved discussion on this list isn't appropriate. Let's just keep the technology alive; without the technology the spirit of CW will follow into history.

--73--

--Jeff Duntemann KG7JF  
Scottsdale, Arizona

-----  
Date: Wed, 22 Jan 1997 09:13:10 -0700  
From: jeffd@coriolis.com (Jeff Duntemann)  
To: glowbugs@theporch.com  
Subject: Coil winders--build your own?  
Message-ID: <1.5.4.32.19970122090541.00facf00@165.247.88.2>

Hi guys--

Bob was pining for a coil winder (like those wonderful ones I used to drool over in the 1961 Allied Radio catalogs Uncle Louie gave me) and I wanted to remind interested parties that Lindsay Books publishes a booklet on building your own coil winder. The book is by Dave Gingery, who has written a number of other intriguing books for Lindsay on building a lathe out of junk car parts, building an electric furnace out of dryer heating elements, and great stunts like that.

I don't have a Lindsay catalog here at work but they're somewhere in central Illinois. (Bradley?)

I'm hoping to build one at some point, tho I'm more likely to use parts from my Meccano set. With care, you can create separate pi windings with #36 wire, looping back and forth to minimize interwinding capacitance. The trick is keeping the wire in place; I think you may have to spray some sort of stickum on the pi periodically to keep it together.

The only mechanically tricky part of such a mechanism is the cam that moves the wire "snout" back and forth. Again, having an old Meccano or Erector set (which can be had at garage sales) would make that lots easier.

If I ever go ahead with the project (time has been almost nonexistent lately) I'll post reports here.

--73--

--JD--

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Date: Wed, 22 Jan 1997 08:26:09 -0800 (PST)  
From: tomrice@netcom.com (Tom R. Rice)  
To: glowbugs@theporch.com (glowbugs)  
Subject: Re: Is glowbugs the forum for this?  
Message-ID: <199701221626.IAA18762@netcom20.netcom.com>

> CW. If CW withers away, we lose a priceless heritage.  
>

<snip>

> THAT'S how to keep CW alive. If I ever hear the "I hadda do it an you do  
> too" argument again I'm gonna start throwing things.  
>

Besides all the tradition and lore, it's the only  
digital mode which is readily deciphered by the  
human brain. That alone makes it special!

73 de WB6BYH

--

"Start off every day with a smile and get it over with." --W.C.Fields

Tom R. Rice  
tomrice@netcom.com  
CIS: 71160,1122

-----  
Date: Wed, 22 Jan 1997 12:55:10 -0800  
From: "R. Eric Sluder" <sludere@gte.net>  
To: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Re: Wanted --- odd thoughts for consideration  
Message-ID: <32E67EAE.BEA@gte.net>

> If anyone knows of a source of the real cotton striped stuff in  
> reasonable lengths (maybe 50 or 100 feet, sufficient to wind the

> usual regenerator coils and the like), do holler back to the list.  
> It might be fun to find some period wire for such coils to give  
> the coils a polished finesse.

Well I don't know of a direct source, but I do know that cotton covered wire is still being made. In my business (telecommunications) AT&T now known as Lucent Tech. supplies cotton braided wire. When me and a buddy whos a Ham were working on some new Lucent equipment once we noticed the stuff and couldn't believe our eyes. Here we stood in front of some High Tech. fiber optics equipment and they were using cotton braided wire!

Quickly with a pair of dikes and some dissecting we found that the braid is woven over a filler (possibly PVC, etc) and then comes the copper wire. This is new (1996 vintage) equipment that the wire came with so it's not old wire.

Now my story ends on the note that someone (possibly Lucent themselves) is making the stuff. I've seen some of the stuff at local hamfests where telecom installers are scavenging it from the dump and selling it, so I see two possible sources, new and used. Unfortunately, I suspect to buy it new would require at least a 1000' minimum or more. Used - well I've seen it a couple of times at Hamfests disguised as wiring harnesses so it's available this way.

I don't know if this rambling helps anyone or not, but I've got a few feet of the stuff and it's great for replicating the "old" wiring look safely.

BTW the cotton cover was re-created (according to my supervisor) because of the Hinsdale, IL central office fire. The PVC catches on fire to quickly, and the cotton has been treated to resist heat....

73,

Eric Sluder, KB9BGS  
Carmel, IN  
sludere@gte.net

-----  
Date: Wed, 22 Jan 1997 08:06:13 -1000  
From: Jeffrey Herman <jherman@hawaii.edu>  
To: Jeff Duntemann <jeffd@coriolis.com>  
Subject: Re: Is glowbugs the forum for this?  
Message-ID: <Pine.GS0.3.93.970122080228.17225B-100000@uhunix3>

>It's appropriate for glowbugs only in that we (as homebrewers, of whatever

>technology) represent in most cases the last thoroughly nutso advocates of  
>CW.

Just a reminder that we're an offshoot of the QRP email list (the  
idea for our list originated on that list). There are about 2500  
subscribers to that list - it too is devoted to CW homebrewing  
(and kit building).

73,  
Jeff KH2PZ

P.S. A few has asked how to subscribe to the Top Band list - send  
an email to [topband-request@contesting.com](mailto:topband-request@contesting.com) and only write subscribe  
and you'll be hooked up!

-----  
Date: Wed, 22 Jan 1997 14:46:24 -0500 (EST)  
From: [rdkeys@csemail.cropsci.ncsu.edu](mailto:rdkeys@csemail.cropsci.ncsu.edu)  
To: [glowbugs@theporch.com](mailto:glowbugs@theporch.com)  
Cc: [rdkeys@csemail.cropsci.ncsu.edu](mailto:rdkeys@csemail.cropsci.ncsu.edu) (  
Subject: Anyone still have copies of GB digests 001 thru 031 ?  
Message-ID: <9701221946.AA127981@csemail.cropsci.ncsu.edu>

I was looking for the early digests of the GlowBugs mailing list in the  
sunsite archives and it only starts at issue no. 032. By any sort of  
long shot in the ether bucket, does anyone have email copies of the  
early glowbug digests 001 through 031 still about, or have they gone  
on the final watch.....

Bob/NA4G

-----  
Date: Wed, 22 Jan 1997 14:07:18 -0500 (EST)  
From: Carl Ratner <[artdeco@bway.net](mailto:artdeco@bway.net)>  
To: [glowbugs@theporch.com](mailto:glowbugs@theporch.com)  
Subject: Fwd: FS: TUBES!!!  
Message-ID: <2.2.16.19970122141017.2f778df2@bway.net>

Hello all,

The following message appeared today in [sci.electronics.repair](mailto:sci.electronics.repair). I've  
forwarded it to the list as some of the toobs will be of interest to  
glowbugites.

73

--Carl

NOTE: Please reply to the advertiser, not to me!

-----  
From: DQCB48A@prodigy.com (Don Klipstein)  
Subject: FS: TUBES!!!  
Date: 22 Jan 1997 02:19:56 GMT

UPDATED 1/16/97

Lab collection of tubes, all of which should be considered  
USED unless otherwise marked. All are guaranteed to be  
within normal test limits when shipped. All tubes are  
either American made or made by Amperex, Mullard, Siemens, or  
Telefunken. TUBES ARE NOT SORTED BY MANUFACTURER, AND SORTING  
BY MANUFACTURER IS NOT AVAILABLE. (Please don't ask!) All  
items subject to prior sale. When they are sold, they are  
gone forever; there will be no restocking.

\*\*\*\*\*  
\* PLEASE DO NOT REPOST THIS ARTICLE IN YOUR REPLY \*  
\* \*  
\*\*\*\*\*

\$1.00 EACH: (USED, GUARANTEED)

0A2, 0A3, 0B2, 0C2, 0G3/85A2, 1BC2, 1G3GT/1B3GT, 1J3, 1K3,  
1V2, 1X2A, 1X2B, 2BN4, 2D21, 2E26, 3A3C, 3BN6, 3BZ6, 3CB6,  
3GK5, 3HQ5, 4BZ6, 4CB6, 4DK6, 4JC6, 4JD6, 5AQ5, 5CG8, 5EW6,  
5JB8, 6AC7, 6AG7, 6AH6WA, 6AK5, 6AL5, 6AN5, 6AQ5A, 6AQ7GT,  
6AR6, 6AS6, 6AU6, 6AV6, 6AW8A, 6AX4GT, 6BV11, 6BC7, 6BG6GA,  
6BH6, 6BJ6, 6BJ8, 6BK7, 6BN6, 6BQ6GA/6CJ6, 6BQ7A, 6BS8, 6BW4,  
6BX6/EF80, 6CB6A, 6CB6A/6CF6, 6CG7, 6CG8A, 6CH8, 6CL8A, 6CM6,  
6CM7, 6CN7, 6CX7, 6DQ6A, 6DS4, 6DZ4, 6EN4, 6ES8, 6FG7, 6GB5,  
6GC5, 6GF7, 6GH8, 6GM6, 6GU7, 6GY6, 6H6, 6HZ6, 6J5, 6J6,  
6JU8, 6KA8, 6KZ8, 6LU8, 6MD8, 6S4A, 6SF5, 6U8, 6W4, 6X4,  
6Y6GT, 8B10, 8CG7/8FQ7, 8FQ7, 8FQ7/8CB7, 8JV8, 8KA8, 10JT8,  
10LZ8, 11BQ11, 12A6, 12AE10, 12AL11, 12AT7, 12AX4GTB, 12AY7,  
12BF6, 12BN6, 12BQ6GTB, 12BV11, 12DT8, 12EQ7, 12H6, 12HG7,  
12JB6A, 12MD8, 12R-K9, 12SG7, 12SJ7, 12SN7GT, 12T10, 14BR11,  
15BD11, 15KY8, 17AY3, 17CU5, 17JZ8, 19CL8, 19EA8, 21HB5A,  
21LU8, 22JU6, 22JG6, 23Z9, 25L6GT/G, 25Z6, 25Z6GT/G, 33GY7,  
34CE3, 35C5, 42KN6, 50EH5, 3223/5735, 5654, 5692, 5696, 5725,  
5725, 5726, 5727, 5841, 5844, 5933, 5963, 5965, 6072, 6135,



6143 (short leads), 6186, 6201, 6202, 6211, 6227, 6293, 6350,  
6485, 6661, 6682, 7316, 9002, CK6528, EF88, M3104.  
Ballast tubes: 3-14, 9-7, 12-4

\*\*\*\*\*  
\$2.00 EACH: NEW IN CARTON  
6BK4/6EL4A, 33GY7, 5799, CK547DX, CK5517,  
CK5886, CK5889, CK6174, 7788/E810F  
\*\*\*\*\*  
\* \*  
\* EVERYTHING - Over 700 tubes - \$425 \*  
\* (shipping included) \*  
\* \*  
\*\*\*\*\*

PRICES SHOWN DO NOT INCLUDE SHIPPING (unless otherwise stated)

SHIPPING CHARGES (USA ONLY; elsewhere, ask for quote)

Up to \$15, \$4.00.  
Up to \$30, \$5.00  
Up to \$50, \$6.00  
Up to \$100, \$7.00  
Up to \$200, \$9.00  
Over \$200: FREE  
COD AVAILABLE (CASH ONLY!!) add \$5.00

TERMS: Payment with order. Checks will be held 5 business  
days. Money orders clear in 1 day. COD: \$5 additional.  
All items subject to prior sale. E-mail for information.

ORDERING: Please order by e-mail so that we can confirm your  
order and hold the tubes for you!

PLEASE DO NOT REPOST THIS ARTICLE IN YOUR REPLY.

-----  
Date: Wed, 22 Jan 1997 12:31:10 -0800  
From: mjsilva@ix.netcom.com (michael silva)  
To: glowbugs@theporch.com  
Subject: Re: Is glowbugs the forum for this?  
Message-ID: <199701222031.MAA26408@dfw-ix4.ix.netcom.com>

Jeff wrote:

>My suggestion has always been this: Work within the clubs, and make CW  
>an \*adventure.\* Do it on the buddy system. Get a class together, and  
>make teams out of pairs of people who are physically close to one  
>another. Then get them to make their own simple CW rigs and try to  
>contact one another. If the team is less than a mile apart, this is a  
>slam dunk...

This is a great suggestion. I talked with a Novice buddy of mine like this when I first got licensed until I felt ready to tackle "the rest of the world", and the thrill was indescribable -- probably more so because we were talking in an exotic (!) "code". I think the biggest barriers for the rank beginner are (a) passing the 5wpm and getting licensed, and (b) getting a @%\$\* crystal in a Novice/Tech band. I wonder if low-power self-excited operation at the top of the BC band is feasible over a mile or so, both using the strict FCC guidelines and a slightly more liberal "don't bother anybody" approach? (I'm sure the FCC is just waiting to pounce on any 200 mW stations using 25' antennas, right?)

73,  
Mike, KK6GM

-----  
Date: Wed, 22 Jan 97 15:32:27 EST  
From: jkh@lexis-nexis.com (John Heck)  
To: glowbugs@theporch.com, sludere@gte.net  
Subject: Re: Wanted --- odd thoughts for consideration  
Message-ID: <9701222032.AA10200@beans.lexis-nexis.com>

I believe this is listed in the recent AES catalog and is being sold by the foot.

Regards,  
John Heck, KC8ETS  
1009 Donson Drive  
Dayton, Ohio 45429  
(513)865-7036(work)  
jkh@lexis-nexis.com

>  
> Well I don't know of a direct source, but I do know that cotton covered  
> wire is still being made. In my business (telecommunications) AT&T now  
> known as Lucent Tech. supplies cotton braided wire. When me and a buddy  
> whos a Ham were working on some new Lucent equipment once we noticed the  
> stuff and couldn't believe our eyes. Here we stood in front of some  
> High Tech. fiber optics equipment and they were using cotton braided

> wire!  
> Quickly with a pair of dikes and some dissecting we found that the braid  
> is woven over a filler (possibly PVC, etc) and then comes the copper  
> wire. This is new (1996 vintage) equipment that the wire came with so  
> it's not old wire.  
>

-----  
Date: Wed, 22 Jan 1997 17:43:54 -0500 (EST)  
From: rdkeys@csemail.cropsci.ncsu.edu  
To: glowbugs@theporch.com  
Cc: rdkeys@csemail.cropsci.ncsu.edu ()  
Subject: Waddaya do wid ole tv junker tubes --- regenerate of course  
Message-ID: <9701222243.AA128440@csemail.cropsci.ncsu.edu>

Whilst pondering the deepest mysteries of regenerators wats glows in the manner befitting any self-respecting Glowebuggeite, I thought a list of generic triode tubes in the leftover tvscrappo piles that would be suited to the making of a cheapskate's regenerator (wat else we can do with them thar unused tvscrappo tubes, eh?), might be of benefit in the reference department..... thus.....

\*\*\*\*\*  
TRIODES in the 7 and 9 Pin Style, by Basing, for Those Glowebuggeites  
Who Suffer From a Bad Case of ``Glowebuggeitis regeneratus triodus''.  
\*\*\*\*\*

	1
BASE	TUBE TYPE
-----	
5CE	6AB4
6BG	6C4
2	
7BT	6AT6, 6AV6, 12AE6, 12AJ6, 12BF6, 12FK6, 12FM6, 18FY6
7DK	6AF4, 6AN4, 6DZ4, 6T4
7EG	6BN4
7FP	6ER5, 6ES5, 6FH5, 6FQ5, 6FY5, 6GK5
7GM	6HA5, 6HK5, 6HM5, 6HQ5

9AC	6S4
9AG	12B4
9BX	6AM4
9DR	6BC4

-----

1 Many tube types have several filament voltage ratings from 2 to as high as 117 volts, although the usual ones are 2, 3, 4, 5, 6, 8, 10, 11, 13, 15, 17, 18, and 21 volts. Among these types you will often find a 2, 3, 4, 5, 6, and 12 volt equivalent. These are usually from TV series string filament applications, and often wind up forever unused in the junk box. But, they can often be pressed into service in regenerator circuits, with a little bit of thought into what filament voltages you may want to run, and how you may want to obtain them (one source parallel, or maybe a series string of 2 or 3 volters on 6 volts, or 4 or 6 volters on 12 volts ac or dc operation).

2 The 7BT basing is a dual diode plus triode design, that can be used as a straight triode in regenerator service, quite well.

\*\*\*\*\*

Other triode types may exist, but that is all I could find in a quick perusal of the tube manuals.

Enjoy.... and Happy Glowebuggeing.

73/ZUT DE NA4G/Bob UP

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Date: Wed, 22 Jan 1997 18:06:59 -0500 (EST)  
From: rdkeys@csemail.cropsci.ncsu.edu  
To: jkh@lexis-nexis.com  
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com  
Subject: Re: Thoughts on cotton covered wire by the foot  
Message-ID: <9701222307.AA128520@csemail.cropsci.ncsu.edu>

>  
> I believe this is listed in the recent AES catalog and is being sold  
> by the foot.  
>

I must be a real cheapskate, because I would never buy by the foot for wire if it were possible to buy at least a 100 foot roll. The cost would eat up all of my little bit o' Glowebuggeing guildern de realme, in a hurry. The only exception would be square bus bar wire. That I would probably not use sufficient quantities to buy in the roll, although if I ever would run across a big spool of that stuff, right.....(:+{}}.....

Remember that the average regenerator coil for 160M can eat up gobs of wire, for one coil, or well over 75 feet, easily. A whole set of coils for 160/80/40 could eat up a couple of hundred feet, if you made no mistakes(....) and got the coils right on the first time (rare in my book). Add 10 or so feet for general wiring of a receiver and even a plain regen can eat up the wire, if you don't look after it.

If you are winding a choke coil with 250 turns on a 3 inch form, go figure..... (maybe 250 feet very roughly).

So, buy by the foot if you have to, but try to pick up at least a first order discount for a 100 foot lot.

If you see the stuff under the tables at hamfests, in the odd wire boxes around those big trucks that show up just dumping the surplus out the back, maybe we should stoop and snoop a little and see if a big shareable roll of that fine ol' cotton stuff is about. If you can't use it particularly, maybe another of us can. I often buy the bell wire in about no 22 guage any time it surfaces at the 3-5 buck a 500 foot spool. So, maybe we should all look around at the next years hamfests and see what can be garnered therefrom.

Anyway, if anyone has that AES catalog handy, what are the pricings for that cotton covered wire, in sufficient quantity for a regenerator? That would be 100 foot or 500 foot lots.

Anyone know if the Newark or other biggie distributors carry it?

Can anyone find out where the fone company was getting theirs?

If anyone can find a 2,500 or 5,000 or 10,000 foot spool, would a bulk order for the group be feasible?

Just thinking out loud..... what is that pennywise vs footpound foolish or sum such like that.....(:+{{}.....

Thanks

73/ZUT DE NA4G/Bob UP

-----  
Date: Wed, 22 Jan 1997 16:02:58 -0700  
From: "Deane D McIntyre" <dmcintyr@acs.ucalgary.ca>  
To: glowbugs@theporch.com  
Subject: Tubes For Glowbugging.....  
Message-ID: <9701222302.ZZ574457@ds1.acs.ucalgary.ca>

Gang:

Received a flyer from Antique Electronic Supply last week, and I see that they have some obscure tubes on sale that are of possible glowbug interest.

One is the 6DB5 beam power tube. A 6W6 with a 9-pin miniature base. Plate dissipation 10 watts. Same as a 50C5/50L6GT and the like, but with somewhat higher ratings (max plate voltage 300). Cost is 50 cents each. Filament 6.3V 1.2 A.

If you don't mind odd filament voltages they have 10GK6's (same ratings as a 6BQ5 but different pinout) for \$1 each and the octal 26E6WG (ratings about the same as a 6F6 or 6V6) for \$1.50.

My order went in today....don't worry, lots left for you guys as well.

No, I don't own stock in AES.....they do appear on my credit card bill on occasion however.

73, Deane D McIntyre  
Deane@deane.bio.ucalgary.ca  
<http://deane.bio.ucalgary.ca/>

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End of GLOWBUGS Digest 423

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